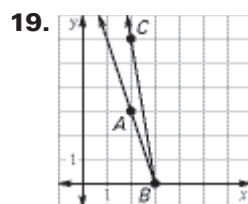


Answer Key

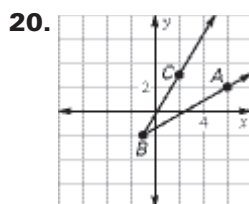
Lesson 1.4

Practice Level B

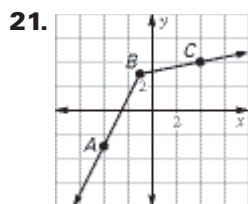
1. 60° ; $\angle ABC$, $\angle CBA$, or $\angle B$; B , \overrightarrow{BA} , \overrightarrow{BC}
2. 38° ; $\angle MOP$, $\angle POM$, or $\angle O$; O , \overrightarrow{OM} , \overrightarrow{OP}
3. 112° ; $\angle EFG$, $\angle GFE$, or $\angle F$; F , \overrightarrow{FE} , \overrightarrow{FG}
4. Sample answer: $\angle K$; right
5. Sample answer: $\angle KLM$; straight
6. Sample answer: $\angle MQP$; acute
7. Sample answer: $\angle JMK$; acute
8. Sample answer: $\angle P$; acute
9. Sample answer: $\angle KLP$; obtuse
10. 25°
11. 85° 12. 20° 13. 160° 14. 15° 15. 75°
16. 48° 17. 98° 18. 112°



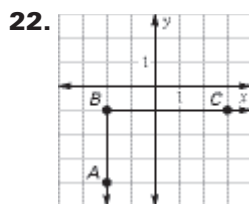
acute; Sample answer: (2, 5)



acute; Sample answer: (2, 1)



obtuse; Sample answer: (2, -8)



right; Sample answer: (0, -3)

23. $22 < x < 52$ 24. 15°

25. a. Acute angles: $\angle MNQ$, $\angle QNR$, $\angle RNS$, and $\angle SNP$; There are no obtuse angles; Right angles: $\angle MNR$ and $\angle PNR$

b. $\angle MNQ \cong \angle SNP$, $\angle QNR \cong \angle RNS$, and $\angle MNR \cong \angle PNR$ c. $m\angle MNR = 90^\circ$, $m\angle RNS = 30^\circ$, $m\angle QNS = 60^\circ$, and $m\angle QNP = 120^\circ$